



**EXHIBIT A**  
**LISTING OF ALL CLAIMS AND AMENDMENTS**  
**(01-03-2006)**

**Amendments to the Claims:**

**Claim 1 (currently amended)**

1. A method of fabricating a laminate article, comprising the steps of:  
providing a plurality of support templates;  
arranging the support template to define at least a portion of a part outline  
corresponding to the laminate article;  
providing ~~at least one a~~ plurality of substantially flat, substantially rigid primary  
~~panel~~ panels each defining an outer surface and an inner surface;  
securing the outer ~~surface~~ surfaces of the at least ~~one~~ some of the plurality of  
primary ~~panel~~ panels to at least some of the plurality of templates such  
that the primary panels conform at least in part to the part outline;  
arranging at least one substantially flat secondary panel on the inner ~~surface~~  
surfaces of the primary ~~panel~~ panels in a desired relationship with the  
primary panel;  
securing a vacuum bag to the at least one primary panel to define a vacuum  
chamber; and  
applying a vacuum to the vacuum chamber to remove air from between the at  
least one primary panel and the at least one secondary panel and thereby  
disperse hardenable material between the primary panel and the  
secondary panel;  
hardening the hardenable material such that the laminate article comprises the  
plurality of primary panels, the at least one secondary panel, and the  
hardenable material;  
detaching the plurality of templates from the at least one primary panel, where  
the outer surfaces of the plurality of primary panels form at least a portion  
of a finished surface of the laminate article.

**Claim 2 (currently amended)**

2. A method as recited in claim 1, in which:  
~~the step of providing at least one primary panel comprises the step of providing a~~  
~~plurality of primary panels; and~~  
~~the step of securing the outer surface of the at least one primary panel to the~~  
~~plurality of support templates comprises the step of securing the outer~~  
~~surfaces of the plurality of primary panels to the plurality of support~~  
~~templates to define a primary layer of the laminate article.~~

**Claim 3 (original)**

3. A method as recited in claim 2, in which at least two of the primary panels abut each other to define an edge joint, the method further comprising the step of sealing the edge joint.

**Claim 4 (canceled)**

**Claim 5 (currently amended)**

5. A method as recited in ~~claim 2~~claim 1, in which the plurality of primary panels are first skin panels, where the step of arranging the at least one secondary panel on the inner surface of the plurality of primary panel comprises the steps of:  
providing a plurality of core panels each defining first and second surfaces;  
arranging the first surfaces of the core panels against the inner surfaces of the primary panels;  
providing a plurality of second skin panels each defining an inner surface and an outer surface; and  
arranging the inner surfaces of the second skin panels against the second

surfaces of the core panels.

**Claim 6 (original)**

6. A method as recited in claim 1, in which the step of arranging at least one secondary panel on the inner surface of the primary panel in a desired relationship with the primary panel comprises the steps of:

securing at least one locator peg to the primary panel; and  
forming at least one locator hole in the at least one secondary panel; and  
displacing the at least one secondary panel such that the at least one locator hole receives a corresponding locator peg.

**Claim 7 (currently amended)**

7. A method as recited in ~~claim 4~~claim 5, in which the step of arranging the plurality of secondary panels on the inner ~~surface~~surfaces of the primary ~~panel~~panels in a desired relationship with the primary ~~panel~~panels comprises the steps of:

securing at least one locator peg to the primary panel; and  
forming at least one locator hole in the at least one core panel;  
forming at least one locator hole in the at least one second skin panel; and  
displacing the at least one core panel and the at least one second skin panel  
such that the locator holes therein receive a corresponding locator peg.

**Claim 8 (original)**

8. A method as recited in claim 6, further comprising the step of forming bleeder holes in the at least one secondary panel.

**Claim 9 (original)**

9. A method as recited in claim 7, further comprising the step of forming

bleeder holes in the at least one core panel and the at least one second skin panel.

**Claim 10 (currently amended)**

10. A method as recited in ~~claim 4~~claim 1, further comprising the steps of:  
forming channels between the at least one core panel and the first and second  
skin panels; and  
causing resin to flow through the channels.

**Claim 11 (currently amended)**

11. A method of fabricating ~~a laminate article~~an article, comprising the steps of:  
providing a support structure defining at least a portion of a part outline;  
providing a plurality of substantially flat, substantially rigid primary panels;  
providing at least one supporting at least some of the primary panels on the  
support structure to form a primary layer defining an inner surface and an  
outer surface, where the primary layer conforms to at least a portion of the  
part outline;  
providing at least one locator peg;  
securing the at least one locator peg to the inner surface of the primary layer;  
providing at least one substantially flat secondary panel;  
~~providing at least one secondary layer;~~  
forming at least one locator hole in the at least one secondary layer~~panel~~;  
forming at least one secondary layer by displacing the at least one secondary  
layer-panel relative to the primary layer such that the at least one locator  
peg enters the at least one locator hole;  
applying a vacuum to the primary layer and the secondary layer such that  
air is withdrawn from between the primary layer and the secondary layer,  
and

hardenable material is dispersed between the primary layer and the secondary layer; and  
hardening the hardenable material such that  
the laminate article comprises the primary layer, the secondary layer, and  
the hardenable material, and  
the outer surface of the primary layer forms at least a portion of a finished  
surface of the laminate article.

**Claim 12 (currently amended)**

12. A method as recited in claim 11, in which:  
the step of ~~providing~~ forming at least one secondary layer comprises the ~~steps~~  
step of  
~~providing~~ forming a plurality of secondary layers; ~~and~~  
~~forming at least one locator hole in each of the plurality of secondary~~  
~~layers;~~  
the step of displacing the at least one secondary ~~layer~~ panel relative to the  
primary layer further comprises the steps of displacing ~~the a~~ plurality of  
secondary ~~layers~~ panels relative to the at least one primary layer such that  
the at least one locator peg enters the at least one locator hole formed in  
each of the plurality of secondary ~~layers~~ panels; whereby  
the vacuum withdraws air from between the primary layer the plurality of  
secondary layers, and  
the vacuum disperses the hardenable material between the primary layer and  
the plurality of secondary layers.

**Claim 13 (original)**

13. A method as recited in claim 12, in which at least one of the plurality of

secondary layers is arranged at least partly between the primary layer and another of the secondary layers.

**Claim 14 (original)**

14. A method as recited in claim 11, in which:  
the step of providing at least one secondary panel comprises the steps of  
providing first and second secondary panels; and  
forming at least one locator hole in each of the first and second secondary  
panels;  
the step of displacing the at least one secondary panel relative to the primary  
panel further comprises the steps of displacing the first and second  
secondary panels relative to the primary panel such that the at least one  
locator peg enters the at least one locator hole formed in each of the first  
and second secondary panels; whereby  
the vacuum withdraws air from between the primary panel and the first  
secondary panel and between the first secondary panel and the second  
secondary panel, and  
the vacuum disperses the hardenable material between the primary panel and  
the first secondary panel and between the first secondary panel and the  
second secondary panel.

**Claim 15 (currently amended)**

15. A method as recited in claim 14, in which:  
the primary ~~panel is a~~ panels are fiberglass ~~panel~~ panels;  
the first secondary panel is a core panel; and  
the second secondary panel is a fiberglass panel.

**Claim 16 (currently amended)**

16. A method as recited in claim 11, in which:  
the step of providing the at least one locator peg comprises the step of providing a plurality of locator pegs;  
the step of securing the at least one locator peg to the primary panel comprises the step of securing the plurality of locator pegs to the primary panel;  
the step of providing at least one secondary panel comprises the steps of providing a plurality of secondary panels; and  
forming at least one locator hole in each of the plurality of secondary panels;  
the step of displacing the at least one secondary panel relative to the primary ~~panel~~layer further comprises the steps of displacing the plurality of secondary panels relative to the primary panel such that one locator peg enters the at least one locator hole formed in each of the plurality of secondary panels.

**Claim 17 (original)**

17. A method as recited in claim 16, in which at least two of the plurality of secondary panels are in contact with the primary panel and define a secondary panel juncture.

**Claim 18 (original)**

18. A method as recited in claim 11, in which:  
at least two primary panels are provided; and  
the at least two primary panels define at least one primary edge juncture.

**Claim 19 (original)**

19. A method as recited in claim 18, further comprising the step of sealing the primary edge juncture.

**Claim 20 (original)**

20. A method as recited in claim 11, in which:  
at least two secondary panels are provided; and  
the at least two secondary panels define a secondary edge juncture.

**Claim 21 (original)**

21. A method as recited in claim 19, in which:  
at least two secondary panels are provided; and  
the at least two secondary panels define a secondary edge juncture.

**Claim 22 (original)**

22. A method as recited in claim 11, in which:  
at least two secondary panels are provided; and  
the at least two secondary panels define a secondary face juncture.

**Claim 23 (currently amended)**

23. A method as recited in claim 11, further comprising the steps of:  
providing a plurality of templates;  
arranging the templates to form the support structure ~~defining a part outline~~; and  
supporting the ~~at least one~~ plurality of primary panel panels on the support structure to form an outer skin that substantially follows the part outline.



**Claim 24 (currently amended)**

24. A method as recited in claim ~~11~~23, in which the step of providing the support structure comprises the steps of:

providing a plurality of template members; and  
arranging the template members in a template array.

**Claim 25 (currently amended)**

25. A method as recited in claim 11, in which:

~~at least two primary panels are provided;~~

at least two secondary panels of a first type are provided;

at least two secondary panels of a second type are provided;

the ~~at least two~~plurality of primary panels are arranged to define an outer skin layer;

the at least two secondary panels of the first type are arranged to define core layer;

the at least two secondary panels of the second type are arranged to define an inner skin layer, where the core layer is arranged between the outer skin layer and the inner skin layer.

**Claim 26 (original)**

26. A method as recited in claim 25, further comprising the steps of:

providing a release sheet; and

arranging the release sheet on the inner skin layer.

**Claim 27 (original)**

27. A method as recited in claim 26, further comprising the steps of:

providing at least one bleeder sheet; and

arranging the at least one bleeder sheet on the at least one release sheet.

**Claim 28 (currently amended)**

28. A method as recited in claim 27, further comprising the steps of:  
providing a plurality of release sheets;  
providing at least one breather sheet; and  
arranging the at least one breather sheet on ~~the outermost release sheet~~ one of  
the plurality of release sheets.

**Claim 29 (currently amended)**

29. A method as recited in claim 11, further comprising the step of:  
forming a plurality of bleeder holes in the at least one secondary panel; where  
the step of applying a vacuum between the primary ~~panel~~ layer and the  
secondary ~~panel~~ layer further comprises the steps of withdrawing air from  
the bleeder holes and forcing hardenable material into the bleeder holes.

**Claim 30 (original)**

30. A method as recited in claim 25, further comprising the step of:  
forming a plurality of bleeder holes in the secondary panels forming the core  
layer and the inner skin layer; where  
the step of applying a vacuum between the primary panel and the secondary  
panel further comprises the steps of withdrawing air from the bleeder  
holes and forcing hardenable material into the bleeder holes.

**Claim 31 (original)**

31. A method as recited in claim 30, in which the at least one locator peg is  
secured to the inner surface of the primary panel such that the bleeder holes in the

secondary panels forming the core layer and inner skin layer are substantially aligned.

**Claim 32 (original)**

32. A method as recited in claim 31, further comprising the steps of:  
providing a release sheet;  
forming a plurality of bleeder holes in the release sheet; and  
arranging the release sheet on the inner skin layer such that the bleeder holes in  
the release sheet are substantially aligned with the bleeder holes in the  
inner skin layer.

**Claim 33 (original)**

33. A method as recited in claim 11, further comprising the step of applying  
hardenable material to the inner surface of the at least one primary panel.

**Claim 34 (original)**

34. A method as recited in claim 11, further comprising the step of introducing  
hardenable material between the primary panel and the at least one secondary panel.

**Claim 35 (original)**

35. A method as recited in claim 11, in which the step of applying a vacuum  
between the primary panel and the secondary panel comprises the steps of:  
providing a vacuum bag; and  
sealing the vacuum bag to at least one of the primary panel and the secondary  
panel to prevent air outside the vacuum bag from flowing between the  
primary panel and the secondary panel.